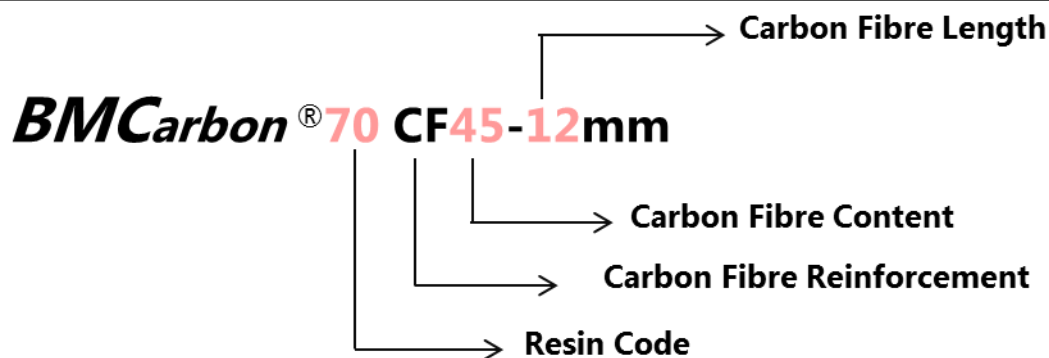


***BMC*Carbon[®] 70 CF45-12mm**

Generic Information

Bulk moulding compound based on Epoxy resin and reinforced with carbon fibres designed for compression moulding technology. These materials with a potential weight reduced and a freedom high design enter different areas for structural application where high mechanical properties are requested.

Code Description



Packaging: bag in cardboard box

Shelf life at -18°C: 2 months

Fibre length: 12 mm

Nominal fibre Content: 45 %

Typical Cure temperature: 145 ± 10 °C

Typical moulding pressure: 30-90 bar

Typical Cure time: 140 sec/mm

Storage and Handling

Store the product in its original sealed packaging at -18°C. Leave product to reach room temperature before use, to prevent condensation. The usual precautions when handling uncured synthetic resins and fine fibrous materials should be observed, and a Safety Data Sheet is available for this product. The use of clean disposable inert gloves provides protection for the operator and avoids contamination of material and components.

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Registro Imprese di Bergamo e Codice Fiscale n. 04902660960/P.IVA IT04902660960 - R.E.A. di Bergamo n. 383079

Capitale sociale Euro 23.599.698,00 i.v.

Società soggetta all'attività di direzione e coordinamento da parte di Polynt Group Holding Inc.

Mechanical Properties on cured material

Properties were determined on compression-moulded specimens according UNIPLAST rules project 412 and 413

Properties	Method	Unit	Typical value
Density	ISO 1183 A	g/cm ³	1.50
Shrinkage	ISO 2577	%	0.00
Flexural Strength	ISO 14125	N/mm ²	185
Flexural Modulus	ISO 14125	N/mm ²	16500
Tensile Strength	ISO 527-4	N/mm ²	65
Tensile Modulus	ISO 527-4	N/mm ²	23000
Impact Strength	ISO 179	KJ/m ²	30
Heat Distortion Temperature	ISO 75-2	°C	> 200
Glass Transition Temperature	ISO 11357-2	°C	145
Glass Transition Temperature	ISO 11357-2	°C	165

(Post cured 4h at 200°C)

Additional Info

Disclaimer: The information on this product data sheet is based on our most up-to-date knowledge. However, it is the user's responsibility to determine the suitability of a product for their application. Information and recommendations contained in this document are given in good faith without warranty or guarantee, and it is the user that is responsible for the compliance with all legal requirements. The user is urged to carry out tests for themselves to determine the suitability of any product for their proposed applications. All the trademarks, trade names, logos and other indications of origin mentioned on the product data sheet are property rights of Polynt S.p.A.

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